

Claims

What is claimed is:

1. A device for removal of toilet bowl odors comprising:
 - a toilet seat lid having an interior space;
 - a fan within said interior space;
 - an intake passage through which said fan draws air, said intake passage located on said toilet seat lid to withdraw air from the toilet bowl when the toilet seat is raised;
 - one or more outflow ducts forming a hinge for the toilet seat lid and toilet seat, said outflow ducts jointed to the intake passage and the interior space such that air drawn from the toilet bowl by the fan is driven into the outflow ducts, said outflow ducts extending to a location remote from the toilet part of said ducts;
 - an air seal sealing a connection of said outflow ducts to said interior space; and
 - an activation switch that may be actuated to activate the fan.
2. The device of claim 1, further including a time delay for the fan.
3. The device of claim 1, wherein the outflow ducts are linked into a network of outflow ducts from a plurality of toilets.
4. The device of claim 1, wherein the intake duct is removable.

5. A method of removing odors from a toilet comprising:

a) raising a toilet lid while not raising a toilet seat, wherein said toilet seat and lid are configured such that raising the toilet lid both activates a blower and opens a conduit to the blower;

b) continuously evacuating air from the toilet bowl using a fan in the toilet lid while the lid is raised; and

c) continuously venting evacuated air to a remote location while the lid is raised.

6. The method of claim 5, wherein the remote location is outside of the building the toilet is located in.

7. The method of claim 5, wherein the remote location is on the roof.

8. The method of claim 5, wherein the remote location is into a wall cavity.

9. The method of claim 5, wherein steps b and c occur for a preset timed period.

10. The method of claim 9, wherein the timed period may be reset by closing and reopening the toilet lid.

11. The method of claim 9, wherein the timed period may be reset by manual activation of the micro-switch.